## (19) World Intellectual Property Organization International Bureau



544249

(43) International Publication Date 30 September 2004 (30.09.2004)

PCT

(10) International Publication Number WO 2004/083334 A2

(51) International Patent Classification7: C09J 183/07

(21) International Application Number:

PCT/US2004/008157

(22) International Filing Date: 16 March 2004 (16.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/455,193

17 March 2003 (17.03.2003)

(71) Applicant (for all designated States except US): DOW CORNING CORPORATION [US/US]; 2200 West Salzburg Road, Midland, MI 48686-0994 (US).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): BHAGWAGAR, Dorab, Edul [IN/US]; 2850 Churchill Lane, Saginaw, MI 48603 (US). DURFEE, Loren [US/US]; 1807 Burlington Drive, Midland, MI 48642 (US). LUTZ, Michael [US/US]; 408 East Saiko Road, Hope, MI 48628 (US). MITCHELL, Timothy [US/US]; 508 Clarion Street, Clio, MI 48420 (US).
- (74) Common Representative: SCADUTO, Patricia, M.; Dow Corning Corporation, Intellectual Property Deptt., Mail CO1232, 2200 West Salzburg Road, Midland, MI 48686-0994 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW). Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IB, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
  - as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iil)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
- of inventorship (Rule 4.17(iv)) for US only

## Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SOLVENTLESS SILICONE PRESSURE SENSITIVE ADHESIVES WITH IMPROVED HIGH TEMPERATURE CO-HESIVE STRENGTH

(57) Abstract: This invention relates to silicone compositions suitable for forining pressure sensitive adhesives. More particularly, the present invention relates to solventless curable PSA compositions suitable for forming pressure sensitive adhesive compositions having improved high temperature cohesive strength while maintaining good tack and adhesive properties.